



King County
WASTEWATER ENGINEER V
DEPARTMENT OF NATURAL RESOURCES & PARKS
Wastewater Treatment Division, Major Capital Projects Section
Annual Salary Range: \$74,707 - \$94,695
Job Announcement: 06EM6104
OPEN: 6/5/06 CLOSE: 6/16/06

WHO MAY APPLY: This position is open to all qualified applicants.

WHERE TO APPLY: Send required forms and materials to:

Wastewater Treatment Division - Human Resources
201 S. Jackson St., MS KSC-NR-0511
Seattle, WA 98104

PLEASE NOTE: Applications not received at the location specified above may not be processed. Applications materials must be *received by* 5:00 p.m. on the closing date. Contact Kathy Loland at (206) 684-1464 for further inquiries, or visit <http://dnr.metrokc.gov/wtd/> for more information about the King County Wastewater Treatment Division.

FORMS AND MATERIALS REQUIRED:

- A [King County data and application form](http://www.metrokc.gov/ohrm/jobs/JobApplications.htm), available at <http://www.metrokc.gov/ohrm/jobs/JobApplications.htm>
- Resume
- Letter of qualification detailing your background and describing how you meet the qualifications and how your education and experience have prepared you to perform the functions of the job.

WORK LOCATION: Brightwater Project Office, 22509 State Route-9 SE, Woodinville, Washington 98072, with travel required to other WTD locations throughout King and South Snohomish County.

WORK SCHEDULE: This career service position is not eligible for overtime compensation. The regular workweek is full-time 40 hours, Monday through Friday 8:00 a.m. to 5:00 p.m.

PRIMARY JOB FUNCTIONS: This position will be responsible for the planning and implementation of formal start-up and commissioning procedures and activities for major capital improvement projects including Vashon, Carnation, and Brightwater Treatment and Conveyance System. Responsibilities include managing and coordinating preparation of start up plans, interpreting contract requirements, leading and documenting start up activities, participation in technical reviews, maintenance of start up and commissioning documentation, coordination of operation and maintenance personnel training, resolution of system conflicts, monitoring of work progress to ensure compliance with contractual requirements, project milestones and permit mandates.

1. Develop the scope of work, staffing requirements, schedules, budget, contract requirements and the execution plan for the start up and commissioning of major capital projects in the wastewater program for review by appropriate management staff. Develop, implement and execute the project start up and commissioning plans.

2. Participate in the evaluation, selection and negotiation of contracts with architectural and engineering consultants for work related to projects. Prepare status reports and routinely inform appropriate management staff on the progress of the project. Review and evaluate project input from other WTD sections, divisions and departments and provide any technical assistance that may be required.
3. Monitor, review and oversee through assigned engineering and construction staff the progress of consultants, vendors, and contractors to assure compliance with contract documents and applicable codes and regulations. Under the direction of senior staff, negotiate change orders and monitor the implementation and completion of assigned projects.
4. Review and approve start up and commissioning plans submitted by contractors, ensure compliance with contract documents, and review and approve progress payments and change orders on assigned major projects. Direct the maintenance of all project files and documents for the start up and commissioning phases of projects.
5. Coordinate start-up planning with multiple consultants, contractors, project managers, and technical staff to ensure coordinated start-up planning and implementation to provide for a complete system start-up for the Brightwater, Carnation, and Vashon treatment plants consistent with milestones. Analyze and track multiple construction and start-up schedules, identifying critical schedule milestones, and schedule interfaces between separate construction contracts. Develop regular reports documenting conformance with schedule requirements and highlighting areas of concern. Review and coordinate the water quality project plans and specifications for completeness, accuracy, content and the ability to successfully test and commission the designed systems.
6. Lead start-up planning and implementation and insure that operations and maintenance personnel are satisfied and fully trained to operate new equipment and facilities following the completion of capital projects. Organize and coordinate training programs for Operations staff. Oversee the development of training plans and Operations and Maintenance manuals.
7. Organize and direct the work of assigned project team members and support staff. Prepare project close-out report at the completion of the project.
8. Perform other related tasks as assigned.

QUALIFICATIONS:

- A bachelor's degree in engineering or architecture is required.
- Four years of engineering, or closely related technical experience with experience in project management required beyond experience required for professional registration (e.g., Degree + PE + 4 yrs) **or** twelve (12) years of experience that demonstrates the applicant is competent to practice engineering (degree + 12 yrs).

- Ability to establish and maintain effective working relationships and resolve conflicts with consultants, contractors, vendors, governmental officials and citizen organizations when implementing assigned projects.
- Analytical and technical abilities are required to make timely recommendations that can influence the cost and effectiveness of existing and planned facilities.
- Demonstrated strong written and oral communication skills

HIGHLY DESIRABLE:

- Experience that includes start-up and commissioning of wastewater treatment or other similar facilities.
- Demonstrated ability to develop and administer detailed commissioning procedures.
- Demonstrated skill in start-up management.
- Demonstrated ability to develop and manage the completion of a defect rectification plan.

PHYSICAL REQUIREMENTS: Some physical skill and effort is required to perform site condition assessments and inspections.

UNION MEMBERSHIP: This position is represented by the Technical Employee's Association (TEA).

Class code: 714002